1U SLIM PANEL DWDM MUX & DEMUX 16CH (UP TO 48CH) - WDMPPxx

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NEXCONEC® passive 4 channels up to 48 channels DWDM MUX or and DEMUX slim panel, allows you to multiplex 4 to 48 separate channels into one pair of fiber, de-multiplex the one pair fiber into 4 to 48 channels, which is mainly used in the long-haul transmission where wavelengths are integrated together over the C-band. This slim DWDM patch panel supports up to 48 channels inn 100GHz.

Its protocol and rate transparent supporting different applications such as 1G/10G Ethernet, SDH/SONET and 8/4/2/1G Fiber Channel across the same fiber link.

With slim patch panel design, it can support a wide range of architectures from simple point-to-point to ring configurations.

FEATURES

- ✓ Low Insertion Loss
- ✓ Wide Passband
- ✓ High Channel Isolation
- ✓ Shuttered dust proof LC adapters
- ✓ Up to 48 channels for MUX & DEMUX
- ✓ Easy installation, 19’’ rack mountable
- ✓ High density, saving data center cabinet space
- ✓ RoHS, REACH & SvHC compliant

APPLICATIONS

- ✓ Line Monitoring
- ✓ WDM Network
- ✓ Telecommunication
- ✓ Cellular Application
- ✓ Fiber Optical Amplifier
- ✓ Access Network

SPECIFICATIONS

Parameter	Units	Specification							
		Min		Type		Max			
Channel Spacing	GHz	100							
Number of Channels	Channels	4 to 48							
Technology		AAWG							
Channel Frequencies	THz	ITU Grid							
Available Channel Frequency Range	THz	191.70				196.00			
Channel Passband	GHz	-12.5				+12.5			
	nm	-0.10				+0.10			
Center Wavelength Accuracy	nm	-0.05				+0.05			
	GHz	-6.25				+6.25			
Insertion Loss (Channel Ports)	Channel	4	8	16	18	32	40	44	48
	dB	≤1.8	≤3.2	≤4.2	≤4.8	≤5.4	≤6.0	≤6.5	≤6.5
Insertion Loss (Link)	dB	≤2.8	≤4.2	≤5.2	≤5.8	≤6.4	≤7.0	≤7.5	≤7.5
Insertion Loss @1310 port	dB					1.5			
Insertion Loss of Monitor Port @Demux		16				23			
Insertion Loss of Monitor Port @Mux		20				27			
Operation Wavelength @1310 port		1260				1360			
Channel Uniformity	dB	≤0.6	≤1.0	≤1.5	≤2.0	≤2.5	≤3.0	≤3.5	≤4.0
Channel Ripple	dB	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3
Passband Ripple Full Bandwidth	nm						0.6		
Bandwidth @1.0dB	GHz	50							
Bandwidth @3.0dB	GHz	75							
Bandwidth @20dB	GHz						150		
Polarization Dependent Loss	dB						0.5		
Adjacent Channel Isolation	dB	15		25					
Non-Adjacent Channel Isolation	dB	30		35					
Total Cross Talk	dB	15		21					

Directivity	dB	45		
Return Loss with Connectors	dB	40	45	
Chromatic Dispersion	ps/nm	-20		+20
PMD	ps			0.5
Optical Power Handling of Common Port	dBm			24
Storage Temperature	℃	-40		+80
Operating Temperature	℃	-5		+65
Dimension of Patch Panel	mm	442.40 x 190 x 43.1		

ORDER INFORMATION

1	2	3	4	5

1	PRODUCT CODE	2	APPLICATION	3	CONNECTOR TYPE	4	CHANNEL COUNT	5	GRID CHANNEL
	WDMPP	M	MUX	S1	SC/UPC	4	4 Channels		
		D	DEMUX	S2	SC/APC	8	8 Channels		
		MD	MUX & DEMUX	L1	LC/UPC	16	16 Channels		
				L2	LC/APC	18	18 Channels		
						32	32 Channels		
						40	40 Channels		
						44	44 Channels		
						48	48 Channels		

TECHNICAL DRAWING